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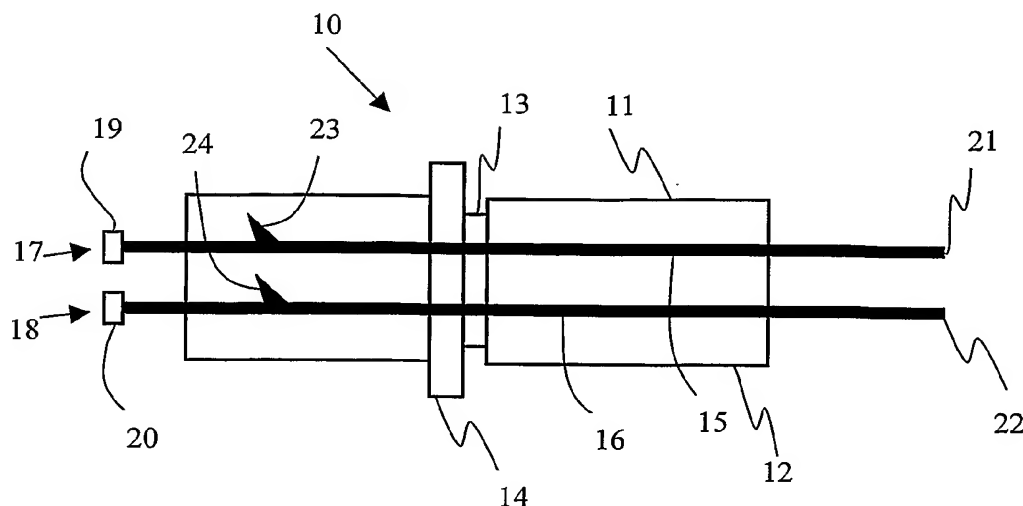
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(54) Title: CONNECTOR FOR ELECTRONIC DETONATORS



(57) Abstract: Fire, arm, and disarm signals are typically transmitted to electronic detonators via signal transmission lines. Traditionally, such signal transmission lines include wires wherein one end of each wire is soldered directly to printed circuit boards and / or other signal processing components retained within the shell of a detonator. Other 'modular' blasting apparatuses of the prior art provide means to connect signal transmission lines to detonators in the field. Signal transmission line / detonator contacts are susceptible to disruption, particularly when the signal transmission lines are subject to inadvertent tugging or tensile forces at the blast site. The present application discloses an electrical connector that enables secure connection between a signal transmission line and any detonator adapted to receive and optionally process electrical signals from the signal transmission line. Specifically, the electrical connector can be affixed to the signal input end of a detonator, and includes at least one bridge element to provide electrical contact between a signal transmission line, and internal electrical component(s) of the detonator.

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